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ESR-2240

Reissued 01/2017
This report is subject to renewal 01/2018.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
SECTION: 06 05 73.13—PRESERVATIVE WOOD TREATMENT

REPORT HOLDER:

KOPPERS PERFORMANCE CHEMICALS

1016 EVEREE INN ROAD
GRIFFIN, GEORGIA 30224-0249

EVALUATION SUBJECT:

MicroPro®/LIFEWOOD® PRESERVATIVE-TREATED WOOD



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**DIVISION: 06 00 00—WOOD, PLASTICS AND
COMPOSITES**
Section: 06 05 73.13—Preservative Wood Treatment

REPORT HOLDER:

KOPPERS PERFORMANCE CHEMICALS
1016 EVEREE INN ROAD
GRIFFIN, GEORGIA 30224-0249
(770) 233-4200
www.koppersperformancechemicals.com

EVALUATION SUBJECT:

**MicroPro®/LIFEWOOD® PRESERVATIVE-TREATED
WOOD**

ADDITIONAL LISTEES:

ALABAMA-GEORGIA WOOD PRESERVING COMPANY
POST OFFICE DRAWER 9
HIGHWAY 431 SOUTH
LAFAYETTE, ALABAMA 36862-0009
(334) 865-9303

ANTHONY WOOD TREATING, INC.
300 GUNTER STREET
HOPE, ARKANSAS 71802
(870) 777-8971

BB&S TREATED LUMBER OF NEW ENGLAND
POST OFFICE BOX 982
NORTH KINGSTOWN, RHODE ISLAND 02852
(401) 295-3200

BIEWER OF LANSING LLC
6111 WEST MOUNT HOPE HIGHWAY
LANSING, MICHIGAN 48917
(517) 322-3835

C. M. TUCKER LUMBER SALES, LLC
POST OFFICE BOX 7
PAGELAND, SOUTH CAROLINA 29728-0007
(843) 672-6135

CABO ROJO TREATING PLANT CORPORATION
BARRIO BALLAJA, KM1.1 CARRETERA 312-313
APARTADO 765
CABO ROJO, PUERTO RICO 00623
(787) 851-1510

COASTAL TREATED PRODUCTS COMPANY
POST OFFICE BOX 829
WELDON, NORTH CAROLINA 27890
(252) 536-4211

COLONIE WOOD TREATING & STAIN
POST OFFICE BOX 5229
70 FULLER ROAD
ALBANY, NEW YORK 12205
(518) 489-4708

COMMERCIAL LUMBER COMPANY
102 OAKLEY DRIVE
NORTH LITTLE ROCK, ARKANSAS 72114
(501) 945-5011

CONSOLIDATED FOREST PRODUCTS
155 COUNTY HIGHWAY 62
BEAR CREEK, ALABAMA 35543
(205) 486-3445

CULPEPER WOOD PRESERVERS
POST OFFICE BOX 1148
CULPEPER, VIRGINIA 22701
(540) 825-5200

D & D WOOD PRESERVING, INC.
2501 COMMERCE LANE
ALBANY, GEORGIA 31702-1802
(229) 436-2638

EASTEX FOREST PRODUCTS
5429 HARTWICK ROAD
HOUSTON, TEXAS 77093
(281) 442-2591

FORTRESS WOOD PRODUCTS
POST OFFICE BOX 4991
MARTINSVILLE, VIRGINIA 24115
(276) 656-3252

FREE STATE LUMBER
POST OFFICE BOX 190
HALEYVILLE, ALABAMA 35565
(205) 486-5287

GEORGIA WOOD PRESERVING, INC.
683 LEXINGTON ROAD, N.W.
CRAWFORDVILLE, GEORGIA 30631
(706) 456-2131

GREAT SOUTHERN WOOD PRESERVING
POST OFFICE BOX 610
ABBEVILLE, ALABAMA 36310
(334) 585-2291

HILLS PRODUCT GROUP
I-90, OFF WHITEWOOD EXIT
WHITEWOOD, SOUTH DAKOTA 57793
(605) 269-2233

HIXSON LUMBER SALES, INC.
POST OFFICE BOX 1466
MAGNOLIA, ARKANSAS 71753
(870) 234-7820

HOOVER TREATED WOOD PRODUCTS
154 WIRE ROAD NW
THOMSON, GEORGIA 30824
(706) 595-5058

INNOVATIVE PINE TECHNOLOGY/LAKE STATES
1102 PORT TERMINAL DRIVE
DULUTH, MINNESOTA 55802
(218) 733-9663

JOHN A. BIEWER COMPANY OF ILLINOIS
524 EAST UNION STREET
SENECA, ILLINOIS 61360
(815) 357-6792

JOHN A. BIEWER COMPANY OF WISCONSIN
400 RED PINE COURT
PRENTICE, WISCONSIN 54556
(715) 428-2762

LANGDALE FOREST PRODUCTS
555 SOUTH MAIN STREET
SWEETWATER, TENNESSEE 37874
(423) 337-6105

MAINE WOOD TREATERS, INC.
POST OFFICE BOX 58
MECHANIC FALLS, MAINE 04256
(207) 345-8411

MIDWEST MANUFACTURING
14317 COUNTY ROAD 15
PIONEER, OHIO 43554
(419) 485-6909

MIDWEST MANUFACTURING
5331 KANE ROAD
EAU CLAIRE, WISCONSIN 54703-9624
(715) 876-3211

MIDWEST MANUFACTURING
4801 NORTH 264TH STREET
VALLEY, NEBRASKA 68064
(608) 432-2603

NORTHERN CROSSARM COMPANY, INC.
11278 COUNTY HIGHWAY X
CHIPPEWA FALLS, WISCONSIN 54729
(715) 723-4100

PERRY LOGISTICS
2760 RALEIGH ROAD
HENDERSON, NORTH CAROLINA 27537
(252) 492-3046

RIDGE CREEK INDUSTRIES
7184 WASHINGTON STREET
COVINGTON, GEORGIA 30014
(770) 788-2393

SAVANNAH WOOD PRESERVING COMPANY
501 STILES AVENUE
SAVANNAH, GEORGIA 31415
(912) 236-4875

SCOTCH GULF LUMBER
1850 CONCEPTION STREET ROAD
MOBILE, ALABAMA 36633
(251) 457-6872

STEINKAMP WAREHOUSE, INC.
POST OFFICE BOX 535
HUNTINGBURG, INDIANA 47542
(812) 683-3860

STRAITS WOOD TREATING
4804 EAST WILDER ROAD
BAY CITY, MICHIGAN 48706
(989) 684-3584

THOMAS WOOD PRESERVING COMPANY
1964 MURFF DRIVE
GRENADA, MISSISSIPPI 38901
(662) 226-2350

THREE SWINGS, INC.
POST OFFICE BOX 33
RICHLAND, SOUTH CAROLINA 29675
(864) 882-8052

TOMBALL LIMITED
42511 OLD HOUSTON HIGHWAY
WALLER, TEXAS 77484
(936) 372-0477

UFP BELCHERTOWN, LLC
POST OFFICE BOX 945
155 BAY ROAD
BELCHERTOWN, MASSACHUSETTS 01007
(413) 323-7247

UFP NEW WAVERLY, LLC
POST OFFICE BOX 1730
146 B FM 2793
NEW WAVERLY, TEXAS 77358
(936) 295-3411

UNIVERSAL FOREST PRODUCTS
EASTERN DIVISION
2801 EAST BELTLINE, N.E.
GRAND RAPIDS, MICHIGAN 49525
(616) 364-6161

UNIVERSAL FOREST PRODUCTS
WESTERN DIVISION
2801 EAST BELTLINE, N.E.
GRAND RAPIDS, MICHIGAN 49525
(616) 364-6161

VALLEY TIMBER SALES
10584 JAMES MADISON HIGHWAY
GORDONSVILLE, VIRGINIA 22952
(540) 832-3646

WOOD PROTECTION, LP
5151 SOUTH LOOP EAST
HOUSTON, TEXAS 77033-0376
(713) 733-7421

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2015, 2012 and 2009 *International Residential Code*® (IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

- Other Codes (see Section 8.0)

Properties evaluated:

- Preservative-treated wood
- Decay resistance
- Termite resistance
- Corrosion
- Structural

2.0 USES

Koppers Performance Chemicals MicroPro®/LifeWood® preservative-treated wood is used in applications that are required by the code to be protected against decay and termites.

3.0 DESCRIPTION

3.1 General:

MicroPro®/LifeWood® preservative-treated wood products are recognized for use in aboveground, ground-contact (general use and critical structural), and freshwater-contact applications and to resist attack by fungal decay, and subterranean termites, including Formosan termites.

The preservatives to treat MicroPro®/LifeWood® are produced by Koppers Performance Chemicals and are used by the wood-preserving treatment facilities listed in Table 3 of this report to preservative-treat wood products in accordance with the Koppers Performance Chemicals, Standard MCA quality control documentation.

3.2 Preservative System:

MicroPro®/LifeWood®, brand wood is treated with a copper and azole preservative system. The preservative includes specified ingredients of micronized copper and tebuconazole. The actives for MicroPro®/LifeWood® are micronized copper expressed as copper metal (Cu) to azole (tebuconazole) in the wood preservative is in a ratio of 25:1 with tolerances as specified in the proprietary quality control documentation.

3.3 Materials:

MicroPro®/LifeWood® preservative-treated wood materials may consist of the following:

- a. Dimensional lumber and timbers of the following species consisting of primarily sapwood: southern pine, mixed southern pine, radiata pine, Caribbean pine, red pine, Ponderosa pine, and German Scots pine.
- b. Dimensional lumber and timbers of the following species consisting primarily of heartwood: incised hem-fir and incised Douglas-fir.

- c. Lumber, of nominal size of 2-by-8 or less, for decking and specialty use of the species listed in (a) and (b) above.
- d. Southern pine and Douglas fir plywood.
- e. Round and sawn posts and building poles of Southern pine, ponderosa pine, red pine and incised hem-fir.

Minimum preservative retention levels must comply with the values shown in Table 1 of this evaluation report.

4.0 INSTALLATION

4.1 General:

MicroPro®/LifeWood® preservative-treated wood is installed as preservative-treated lumber and timbers in accordance with the requirements of the applicable code.

Koppers Performance Chemicals and industry published installation instructions for wood and pressure-treated wood and this report must be strictly adhered to, and a copy of the instructions must be available at all times on the jobsite during installation.

The instructions within this report govern if there are any conflicts between Koppers Performance Chemicals, instructions and this report.

4.2 Applications:

MicroPro®/LifeWood® preservative-treated wood products may be used in locations where wood is permitted and/or in locations required by the code to be fungal decay or termite resistant in all building types and occupancies where permitted by the applicable code. Typical applications are described in Table 2.

Locations requiring preservative-treated wood for fungal decay or termite resistance are described in Section 2304.12 of the 2015 IBC, Section 2304.11 of the 2012 and 2009 IBC and Sections R317, R318 and R402.1.2 of the IRC.

4.3 Fasteners:

Fasteners used with MicroPro®/LifeWood® preservative-treated wood products must be in accordance with Section 2304.10.4 of the 2015 IBC, Section 2304.9.5 of the 2012 and 2009 IBC and Section R317.3 of the IRC, except that aluminum fasteners are also permitted. In addition, carbon steel fasteners may be used for UC1 and UC2 interior, aboveground, weather-protected applications such as sill plates, interior framing and interior trusses.

4.4 Structural:

4.4.1 Duration of Load: The maximum load duration factor allowed for MicroPro®/LifeWood® treated wood products used for structural members is 1.6, in accordance with Section 2.3 of the American Forest & Paper Association (AF&PA) National Design Specification for Wood Construction (NDS).

4.4.2 Incising Factor: When the treated wood products have been incised, the reference design values must be multiplied by the incising factor, C_i , in accordance with Section 4.3.8 of the NDS.

5.0 CONDITIONS OF USE

The MicroPro®/LifeWood® preservative-treated wood products described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Use of the preservative-treated wood is limited to the types of applications noted in Section 4.2.
- 5.2 Surface treatment of field cuts must be in accordance with the recommendations of Koppers Performance Chemicals.
- 5.3 The MicroPro®/LifeWood® preservative-treated wood products are limited to the wood species noted in Section 3.3 and the minimum retention levels noted in Table 1.
- 5.4 Treatment of wood products is at the facilities of the treaters noted in Table 3, under a quality control program with inspections by ICC-ES, and Timber Products Inspection Inc. (AA-664 and AA-696) or Southern Pine Inspection Bureau, Inc. (AA-680).
- 5.5 The following physically above ground applications are required to be treated to ground contact (AWPA Use Category 4A) requirements:
 - 5.5.1 Components which are difficult to maintain, repair or replace and are critical to the performance and safety of the entire system/construction. Examples would be typical deck or dock joists or beams.
 - 5.5.2 Components subject to hazards comparable to ground contact due to climate, artificial or natural processes or construction which include the following:
 - 5.5.2.1. When there is a reasonable expectation that soil, vegetation, leaf litter or other debris may build up and remain in contact with treated wood.
 - 5.5.2.2. When the construction itself, other structures or anticipated vegetation growth will not allow air to circulate underneath the construction and between decking boards.
 - 5.5.2.3. When treated wood is installed less than six inches above the ground (final grade after landscaping) and supported on permeable building materials such as treated wood or concrete.
 - 5.5.2.4. When treated wood is in direct contact with non-durable untreated wood or any older construction with any evidence of decay.
 - 5.5.2.5. When treated wood is wetted on a frequent or recurrent basis such as on a freshwater floating dock or by a watering system.
 - 5.5.2.6. When treated wood is used in tropical climates.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with Appendix A, Copper-Azole Wood-Preservative Treatment Systems (formerly AC143), of the ICC-ES Acceptance Criteria for Proprietary Wood Preservative Systems-Common Requirements for Treatment Process, Test Methods and Performance (AC326), dated October 2015.
- 6.2 Quality control documentation in accordance with Section 5.0 of AC326 with AWPA M22 and AWPA M23 compliance.

7.0 IDENTIFICATION

MicroPro®/LifeWood® preservative-treated wood products must be labeled in accordance with AC326, the name of the inspection agency (Timber Products Inspection Inc. or

Southern Pine Inspection Bureau, Inc.); the product name (MicroPro®/LifeWood®) or logo (see Figure 1); the treatment company name and plant location (refer to Table 3); the names of the preservative components; the intended end use; and the evaluation report number (ESR-2240). A sample label is shown as Figure 1. For optional sample label information, refer to Section 6.8.1 of AC326.

8.0 OTHER CODES

In addition to the codes referenced in Section 1.0, the products described in this report were evaluated for compliance with the requirements of the following legacy codes and earlier editions of the International Codes:

- 2006, 2003 and 2000 *International Building Code*® (IBC)
- 2006, 2003 and 2000 *International Residential Code*® (IRC)

The MicroPro®/LifeWood® preservative-treated wood products described in this report comply with, or are suitable alternatives to what is specified in, the codes listed above, subject to the provisions of Sections 8.1 through 8.6.

8.1 Uses:

See Section 2.0.

8.2 Description:

See Section 3.0.

8.3 Installation:

See Section 4.0, except for the following modifications:

Locations requiring preservative-treated wood for decay or termite resistance are described in Section 2304.11 of the 2000, 2003 and 2006 IBC, Sections R323 and R324 of the 2000 IRC, Sections R319 and R320 of the 2003 and 2006 IRC,.

Fasteners used with MicroPro®/LifeWood® preservative-treated wood products must be in accordance with Section 2304.9.5 of the 2000, 2003 and 2006 IBC, Section R323.3 of the 2000 IRC, Section R319.3 of the 2003 and 2006 IRC, , except that aluminum fasteners are also permitted. In addition, carbon steel fasteners may be used for UC1 and UC2 interior, aboveground, weather protected applications such as sill plates, interior framing and interior trusses.

8.4 Conditions of Use:

See Section 5.0.

8.5 Evidence Submitted:

See Section 6.0.

8.6 Identification:

See Section 7.0.

TABLE 1—MINIMUM PRESERVATIVE RETENTION REQUIREMENTS FOR OSMOSE MICROPRO®/LIFEWOOD® WOOD PRODUCTS BY END USE

MICROPRO®/LIFEWOOD® (MCA)	
END USE	MINIMUM TOTAL RETENTION ^{1, 2} , pcf (kg/m ³)
Above ground	0.060 (1.0)
Ground contact—General Use	0.15 (2.4)
Ground contact—Critical Structural	0.23 (3.7)
Ground contact—Extreme Duty	0.33 (5.3)

¹Retention is expressed in pounds of preservative per cubic foot (kilograms per cubic meter) of preservative actives.

²Minimum active component retentions of Cu and azole are noted in the Koppers Performance Chemicals, Inc., Standard MCA quality-control documentation.

TABLE 2—TYPICAL APPLICATIONS FOR OSMOSE MICROPRO®/LIFEWOOD® WOOD PRODUCTS¹

SERVICE CONDITIONS	USE ENVIRONMENT	AWPA USE CATEGORY ²	TYPICAL APPLICATIONS
Interior construction, above ground, dry	Continuously protected from weather or other sources of moisture	UC1 INTERIOR DRY	Interior construction - millwork and furnishings
Interior construction, above ground, damp	Protected from weather, but may be subject to sources of moisture	UC2 INTERIOR DAMP	Interior construction - interior beams, timbers, flooring millwork and sill plates
Exterior construction, above ground, coated and rapid water runoff	Exposed to all weather cycles, including intermittent wetting	UC3A ABOVE GROUND Protected	Exterior - coated millwork, siding and trim
Exterior construction, above ground, uncoated and poor water runoff Excludes above ground applications with ground contact type hazards (see Section 5.5)	Exposed to all weather cycles including intermittent wetting but with sufficient air circulation so wood can readily dry	UC3B ABOVE GROUND Exposed	Decking, joists and beams for decks and freshwater docks ¹ , railings, fence pickets, uncoated millwork
Ground contact or Fresh Water Non-critical components Includes above ground applications with ground contact type hazards or that are critical or hard to replace	Exposed to all weather cycles, including continuous or prolonged wetting	UC4A GROUND CONTACT General Use	Fence, deck, and guardrail posts, joists, ledger boards, and beams for decks and freshwater docks ¹
Ground contact or Fresh Water Critical components or difficult replacement	Exposed to all weather cycles, including continuous or prolonged wetting, high decay potential includes salt water splash	UC4B GROUND CONTACT Heavy Duty	Permanent wood foundations, sawn and round building poles, retaining walls, wood used in salt water splash zones
Ground Contact or Fresh Water Critical structural components	Exposed to all weather cycles, severe environments extreme decay potential	UC4C GROUND CONTACT Extreme Duty	Land & Freshwater piling, and foundation piling

¹Joists and beams shall be treated to requirements for UC4A when they are difficult to maintain, repair or replace, and are critical to the performance and safety of the entire system/construction.

²Refer to the AWPA 2016 Book of Standards, Standard U-1 Table 2-1 for a complete description of use category designations and typical applications.

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS

LISTEES	WOOD PRESERVATIVE TREATMENT LOCATIONS
Alabama-Georgia Wood Preserving	Lafayette, AL
Anthony Wood Treating, Inc.	Hope, AR
BB&S Treated Lumber of New England	North Kingstown, RI
Biewer of Lansing LLC	Lansing, MI
C. M. Tucker Lumber Sales, LLC	Pageland, SC
Cabo Rojo Treating Plant Corp.	Cabo Rojo, Puerto Rico
Coastal Treated Products Company	Havana, FL Weldon, NC Oxford, PA
Colonie Wood Treating & Stain	Altamont, NY
Commercial Lumber Company	North Little Rock, AR
Consolidated Forest Products	Lynn, AL
Culpeper Wood Preservers	Shelbyville, IN Columbia, SC Culpeper, VA Fredericksburg, VA
D & D Wood Preserving, Inc.	Albany, GA
Eastex Forest Products	Houston, TX
Fortress Wood Products	Elizabeth City, NC High Point, NC
Free State Lumber	Haleyville, AL
Georgia Wood Preserving, Inc.	Crawfordville, GA
Great Southern Wood Preserving	Abbeville, AL Irvington, AL Tuscumbia, AL Glenwood, AR Lake Panasoffkee, FL Conyers, GA Jesup, GA Mansura, LA Hagerstown, MD Buckner, MO Brookhaven, MS Fombell, PA Columbus, TX Mt. Pleasant, TX Rocky Mount, VA
Hills Product Group	Whitewood, SD
Hixson Lumber Sales	Magnolia, AR Pine Bluff, AR Plumerville, AR Hillsboro, IL Streator, IL Winnfield, LA Hattiesburg, MS Caddo Mills, TX Gilmer, TX Willis, TX
Hoover Treated Wood Products	Pine Bluff, AR Thomson, GA Milford, VA
Innovative Pine Technology/Lake States	Duluth, MN
John A. Biewer Company of Illinois	Seneca, IL
John A. Biewer Company of Wisconsin	Prentice, WI
Langdale Forest Products	Sweetwater, TN
Maine Wood Treaters, Inc.	Mechanic Falls, ME
Midwest Manufacturing	Valley, NE Pioneer, OH Eau Claire, WI

(Continued)

TABLE 3—WOOD PRESERVATIVE TREATMENT LOCATIONS (Continued)

Northern Crossarm	Chippewa Falls, WI
Perry Logistics	Henderson, NC
Ridge Creek Industries	Covington, GA
Savannah Wood Preserving Co.	Savannah, GA
Scotch Gulf Lumber	Mobile, AL
Steinkamp Warehouse, Inc.	Huntingburg, IN
Straits Wood Treating	Bay City, MI
Thomas Wood Preserving	Grenada, MS
Three Swings, Inc.	Richland, South Carolina
Tomball Limited	Waller, TX
UFP Belchertown, LLC	Belchertown, MA
UFP New Waverly, LLC	New Waverly, TX
Universal Forest Products Eastern Division, Inc.	Moultrie, GA Union City, GA Auburndale, FL Medley, FL Granger, IN Elizabeth City, NC Salisbury, NC Blanchester, OH Fairfield, OH Stockertown, PA Janesville, WI Ranson, WV
Universal Forest Products Western Division, Inc.	Windsor, CO White Bear Lake, MN Harrisonville, MO Saginaw, TX Schertz, TX
Valley Timber Sales	Gordonsville, VA
Wood Protection, LP	Houston, TX

TABLE 4—LISTEES AND PRIVATE BRAND NAMES FOR MICROPRO®/LIFEWOOD®

PRESERVATIVE-TREATED WOOD COMPANY	PRIVATE BRAND NAME
Koppers Performance Chemicals, Inc.	LifeWood®
Alabama-Georgia Wood Preserving	Note 1
Anthony Wood Treating, Inc.	WeatherShield® and Note 1
BB&S Treated Lumber of New England	WeatherShield® and Note 1
Biewer of Lansing LLC	WeatherShield®, Everguard, and Select Cut
C. M. Tucker Lumber Sales, LLC	Note 1
Cabo Rojo Treating Plant Corp.	Note 1
Coastal Treated Products Company	Note 1
Colonie Wood Treating & Stain	Note 1
Commercial Lumber Company	Note 1
Consolidated Forest Products	Note 1
Culpeper Wood Preservers	Note 1
D & D Wood Preserving	Note 1
Eastex Forest Products	Note 1
Fortress Wood Products	Note 1
Free State Lumber	Note 1
Great Southern Wood Preserving	WeatherShield® and Yella Wood
Hills Product Group	Note 1
Hixson Lumber Sales	Note 1
Hoover Treated Wood Products	Micro-Guard
Innovative Pine Technology/Lake States	XGUARD
John A. Biewer Company of Illinois	WeatherShield®, Everguard, and Select Cut
John A. Biewer Company of Wisconsin	WeatherShield®, Everguard, and Select Cut
Langdale Forest Products	Note 1
Maine Wood Treaters, Inc.	Note 1
Midwest Manufacturing	AC2 Micro
Northern Crossarm	Note 1
Perry Logistics	Note 1
Ridge Creek Industries	Note 1
Savannah Wood Preserving, CO.	Note 1
Scotch Gulf Lumber	Note 1
South Houston Lumber	Note 1
Steinkamp Warehouse, Inc.	Note 1
Straits Wood Treating	Note 1
Thomas Wood Preserving Company	Note 1
Three Swings ,Inc.	Note 1
Tomball Limited	Note 1
UFP Belchertown, LLC	ProWood Micro CA and WeatherShield®
UFP New Waverly, LLC	ProWood Micro CA and WeatherShield®
Universal Forest Products Eastern Division, Inc.	ProWood Micro CA and WeatherShield®
Universal Forest Products Western Division, Inc.	ProWood Micro CA and WeatherShield®
Valley Timber Sales	Note 1
Wood Protection, LP	Note 1

¹The private brand name is as noted for the report holder, Koppers Performance Chemicals, Inc.

MicroPro® LifeWood® Sample Labels

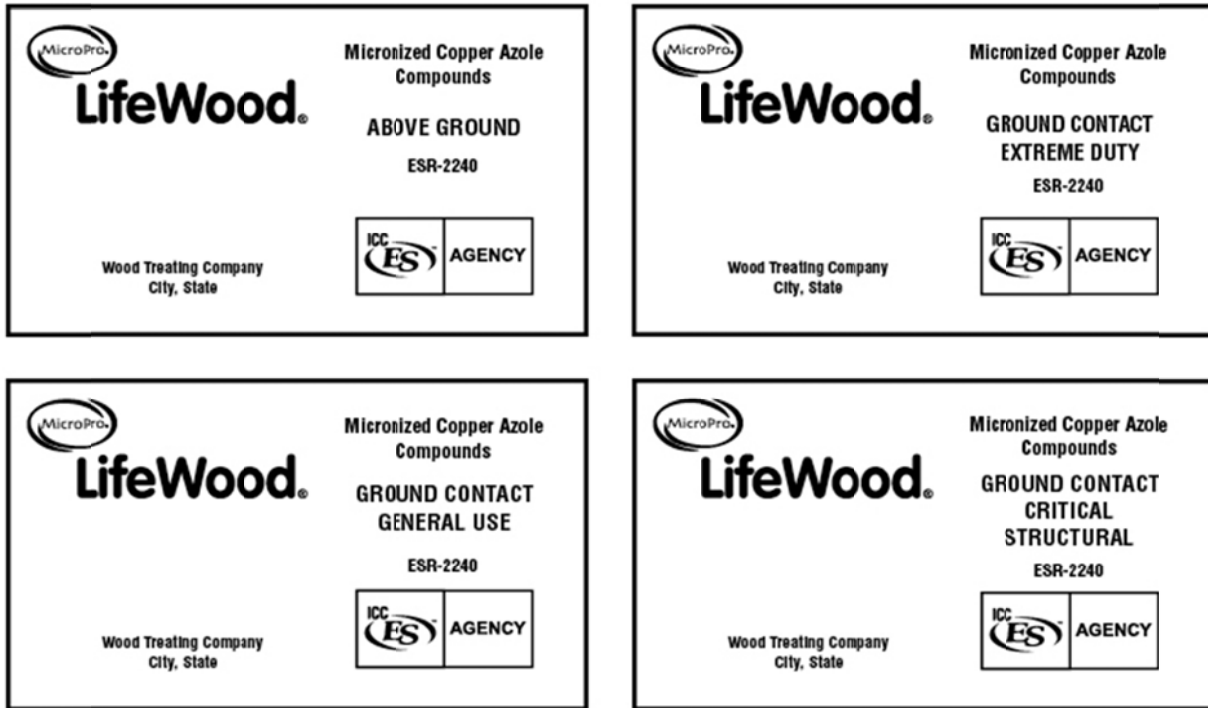


FIGURE 1—SAMPLE PRODUCT LABELS (RETENTION OPTIONAL)